

7 INCHES REVERSING VIDEO SYSTEM



INSTRUCTION MANUAL

Please read this manual thoroughly before operating the device, and keep it for future reference

A photograph showing a rear view monitor being installed in a vehicle's trunk area. The monitor is mounted on a metal plate, and its wiring is connected to the vehicle's electrical system. The monitor's screen displays a rear view of the vehicle.

SAFETY PRECAUTIONS

- The rear view system is used in reverse.
- Do not install the monitor in viewable area to the driver or obstruct the air bag device.
- Do not attempt to repair this product on your own. If the systems have any problem, please cut off the power and contact local dealer.
- Dropping the unit will cause possible internal mechanical failure.

CAUTION

- The monitor should be situated away from direct sun light, heat, water or moisture. (This product is made from precise electronic components what should be handled carefully, do not let it fail due to improper use or carelessness)
- Make sure the monitor should be fastened at the safety.
- Please take special care to the wire position while install the rear view system in order to avoid wire damage.

APPLICATIONS AND FEATURES



APPLICATIONS

- For buses ,trailers and trucks back up
- For garbage trucks rearview monitoring
- For school buses back door and side door monitoring
- For animal transportation vehicles monitoring
- For recreation vehicles monitoring

MONITOR FEATURES

- 7" digital high light screen
- A variety of installations to meet requirements of different customers
- Automatic back-light for buttons
- Automatic NTSC/PAL

CAMERA FEATURES

- Clear vision at night
- Rain/sun cover to protect the camera
- High quality CCD with large viewing angle (120 degree)
- waterproof(IP67), antifogging , shock resistance, mirror function

SYSTEM FEATURE

- The system has 4 connecting ways according to customers'demands.



OPTIONAL ACCESSORIES (1)



MONITOR



CAMERAS (OPTIONAL)



MONITOR BRACKET(OPTIONAL)



U-SUPPORT BRACKET
(OPTIONAL)



SUN SHADE



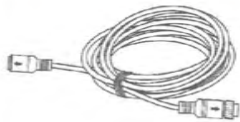
BACK SHADE



ANGLE ADJUSTMENT
SCREWS(OPTIONAL)



CONNECTOR CABLE



20M EXTENSION CABLE

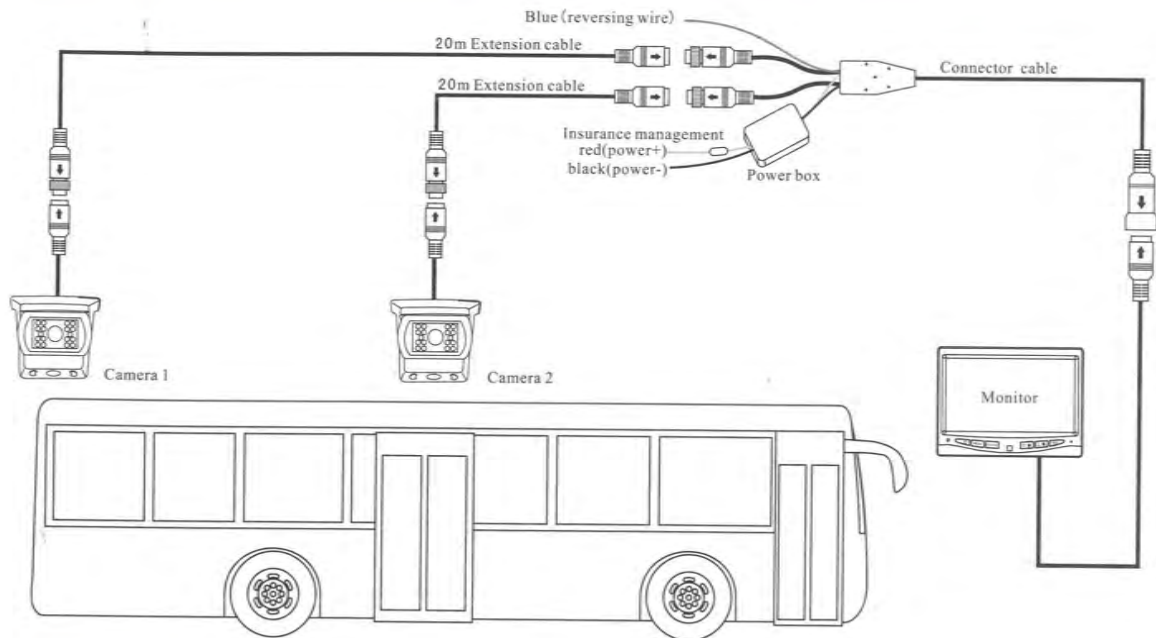


REMOTE CONTROL



MANUAL

INSTALLATION CHART OF SYSTEM (1)



Specified

The supply of parts according to customer's actual needs will be different

OPTIONAL ACCESSORIES (2)



MONITOR



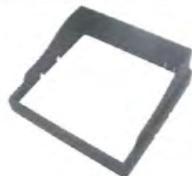
CAMERAS (OPTIONAL)



MONITOR BRACKET(OPTIONAL)



U-SUPPORT BRACKET
(OPTIONAL)



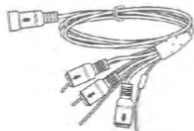
SUN SHADE



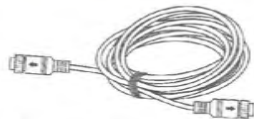
BACK SHADE



ANGLE ADJUSTMENT
SCREWS(OPTIONAL)



CONNECTOR CABLE



20M EXTENSION CABLE

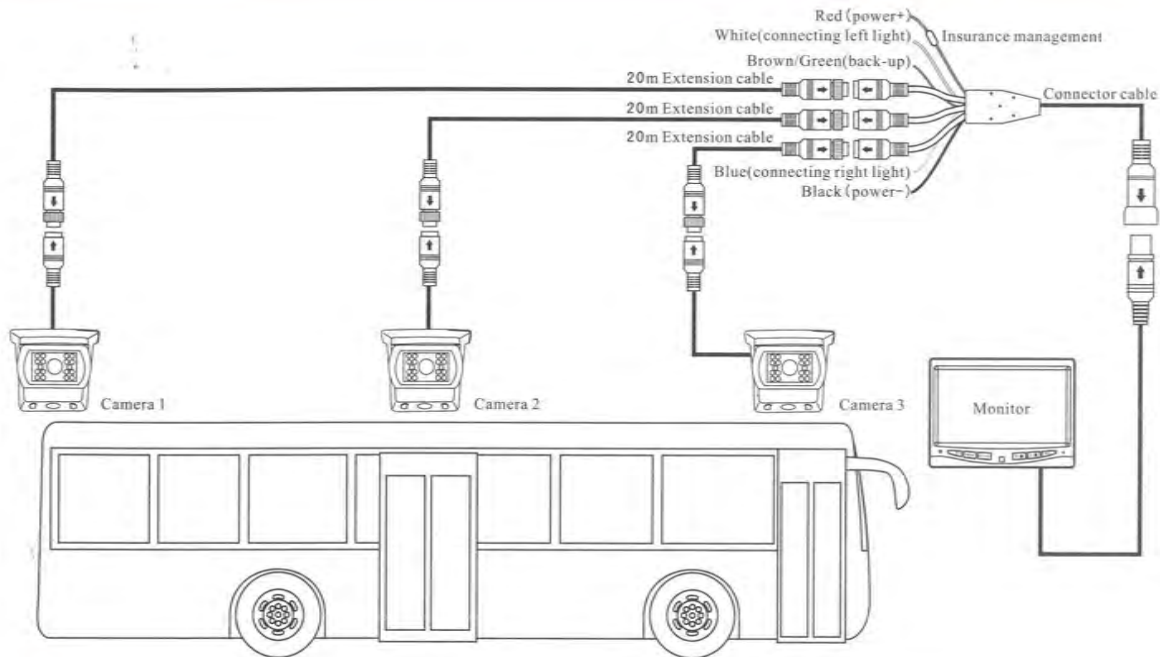


REMOTE CONTROL



MANUAL

INSTALLATION CHART OF SYSTEM (2)



Specified

The supply of parts according to customer's actual needs will be different

OPTIONAL ACCESSORIES (3)



MONITOR



CAMERAS (OPTIONAL)



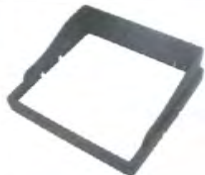
MONITOR BRACKET
(OPTIONAL)



REMOTE CONTROL



L-SUPPORT BRACKET
(OPTIONAL)



SUN SHADE



BACK SHADE



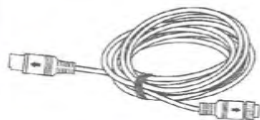
ANGLE ADJUSTMENT
SCREWS(OPTIONAL)



MANUAL



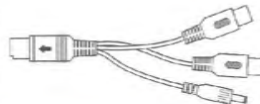
MULTIPLXER 1



20M EXTENSION CABLE

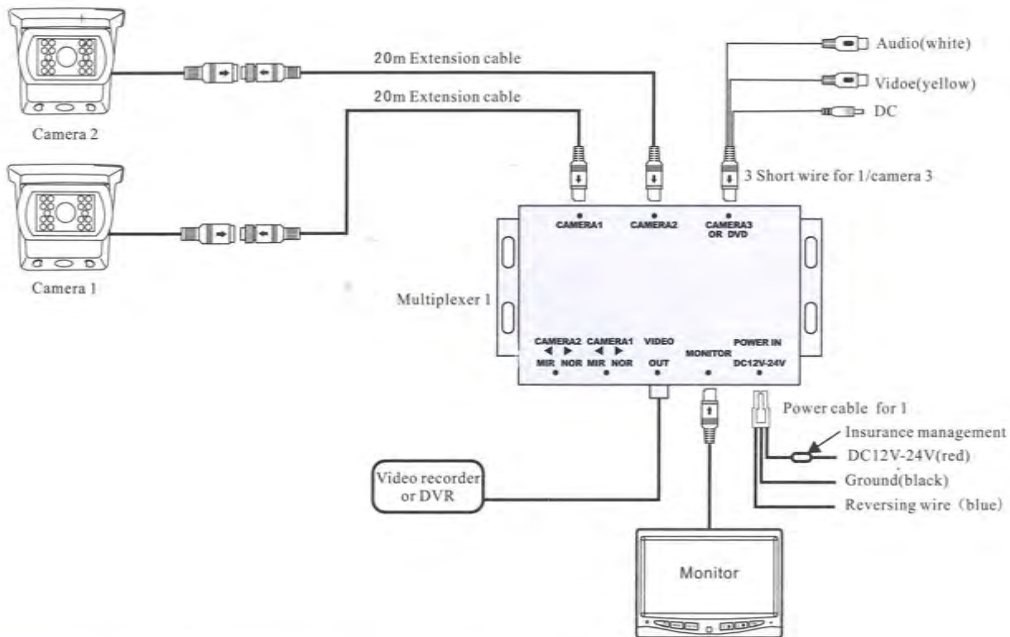


POWER CABLE FOR 1



3 SHORT WIRE FOR 1


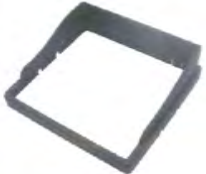


INSTALLATION CHART OF SYSTEM (3)



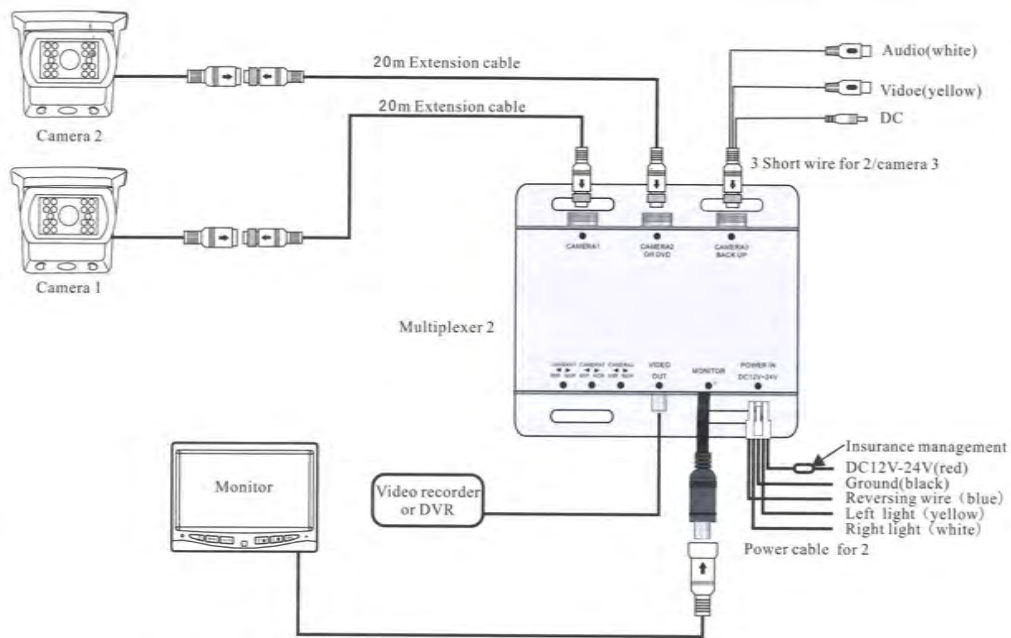
Specified

The supply of parts according to customer's actual needs will be different

OPTIONAL ACCESSORIES (4)

				
MONITOR	CAMERAS (OPTIONAL)	MONITOR BRACKET (OPTIONAL)	REMOTE CONTROL	
				
U-SUPPORT BRACKET (OPTIONAL)	SUN SHADE	BACK SHADE	ANGLE ADJUSTMENT SCREWS(OPTIONAL)	MANUAL
				
MULTIPLEXER 2	20M EXTENSION CABLE	POWER CABLE FOR 2	3 SHORT WIRE FOR 2	

INSTALLATION CHART OF SYSTEM (4)

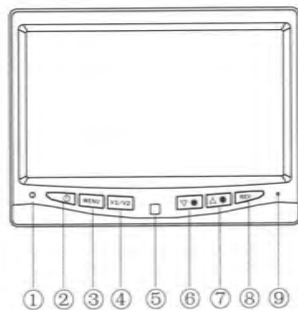


Specified

The supply of parts according to customer's actual needs will be different

SPECIFICATIONS OF MONITOR

DISPLAY KEY FUNCTION

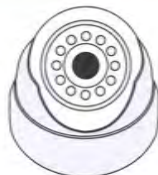


- ① Power indicator
- ② Power
- ③ Menu
- ④ Video switch
- ⑤ Remote control sensor
- ⑥ Page down
- ⑦ Page up
- ⑧ Mirror & normal image switch
- ⑨ Brightness sensor

LCD PARAMETERS

Screen size	7"
Picture display format	16:9/4:3
Resolution	800×3(RGB)×480
Contrast	500: 1
Dot pitch	0.118 (W) X0.362 (H)
Brightness	300cd/m ²
Power	≤2W
Current	700mA
Operation temperature	-20~+70℃
Storage temperature	-30~+85℃
Operating Power	12V~24V
System	Automatic PAL/NTSC
Language display	8 languages OSD menu: Chinese, English, German, Spanish, French, Russian, Japan and Portuguese
Size	179.3×134.3×68.8mm (Including sun shield)
Net weight	About 0.54Kg (Including sun shield)

SPECIFICATIONS OF CAMERA



WATERPROOF CAMERA

Light sensor	1/4 sharp CCD sensor
Video output	Standard AV output, auto NTSC/PAL system
Effective Pixel	PAL: 628 (H) * 582 (V) NTSC: 510 (H) * 492 (V)
Resolution	420 TV Lines
Minimum illumination	0.5 Lux
View angle	120 degree
S/N ratio	More than 48dB
Electron shutter	1/60~1/5000(s)
Supply voltage	DC9V~15V
Storage temperature	-20°C ~ +60°C, RH95%Max
Waterproof rating	IP67
Night vision distance	10m
Multi-function	Night vision, waterproof, antifogging, shock resistance, mirror function

INSIDE CAMERA

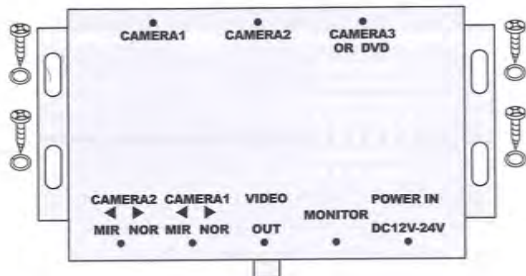
Light sensor	1/4 sharp CCD sensor
Video output	Standard AV output, auto NTSC/PAL system
Effective Pixel	PAL: 628(H) * 582(V) NTSC: 510(H)*492(V)
Resolution	420 TV Lines
Minimum illumination	0 LUX
View angle	120°
S/N ratio	More than 48dB
Lens focal length	2.5mm~25mm
Supply voltage	DC9V~15V
Storage temperature	-20°C ~ +80°C, RH95%Max
Night vision distance	10m
Multi-function:	Night vision, shock resistance

FEATURE & INTERFACE DEFINITION OF MULTIPLEXER 1

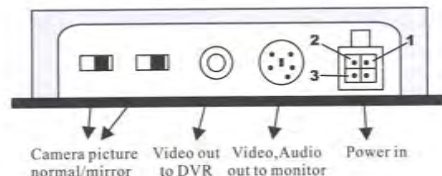
FEATURE

- Optional voltage (12V/24V)
- Camera 1, Camera 2, Camera 3.
- Video auto-switch on & off
- Automatically switch to reverse camera when reversing, automatically return back when ending.
- Video/Audio output (RCA interface)

Name	Description
Power	DC12V/DC24V
Dimension	110×70×30mm
Weight	0.32kg

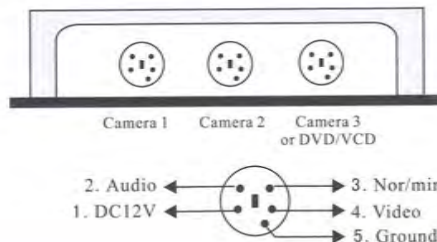


FRONT VIEW



Pin Number	Description
1	RED: DC12-24V power input
2	BLACK: Ground
3	BLUE: Reverse Gear Power input

GAMERA JACK



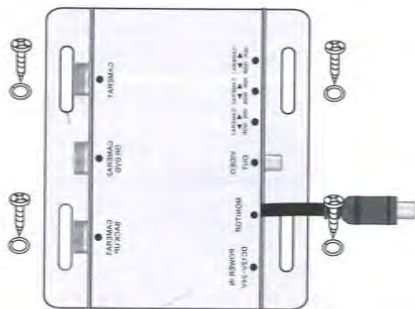
FEATURE & INTERFACE DEFINITION OF MULTIPLEXER 2



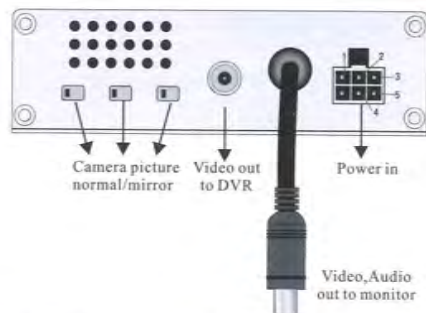
FEATURE

- Optional voltage (12V/24V)
- Camera 1, Camera 2, Camera 3.
- Quad monitor, every video can display high-quality picture
- Video auto-switch on & off
- 3 ways reversing function, automatically switch to reverse, left or right side camera or reverse, or turn left or turn right, or reverse automatically return back when ending.
- Mirror/normal function available according to customers' requirements.

Name	Description
Power	DC12V / DC24V
Dimension	115×101×33mm
Weight	0.26kg

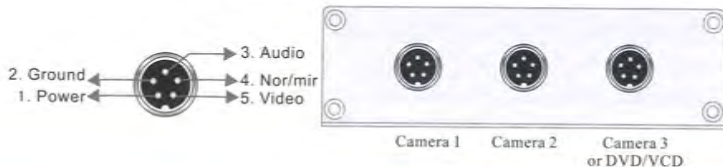


FRONT VIEW



Pin Number	Description
1	RED:DC12-24V power input
2	Yellow: Left light
3	BLUE: Reverse Gear Power input
4	BLACK: Ground
5	White: Right left

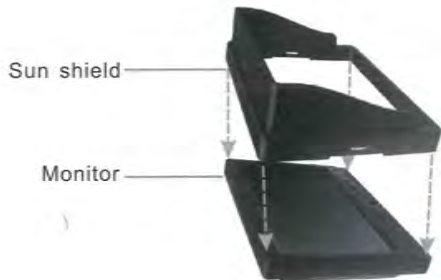
GAMERA JACK



SPLITTING AND INSTALLING THE EMBEDDED MONITOR

INSTALLING

- Installing sun shield: Put shade cover on the display, Make four corners tight
- Installing back cover: Put the monitor with shade cover in the back cover(only for embedded monitor)



SPLITTING

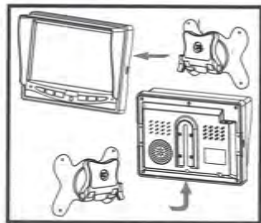
- Splitting back cover: Hold monitor with two hands, and detach by fingers as indicated by the arrow (only for embedded monitor ,see below)



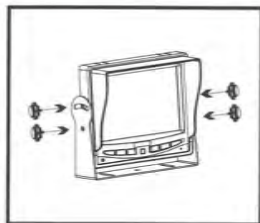
- Splitting sun shield: Take the monitor on the left hand detach by right hand as indicated by the white arrow (see below)



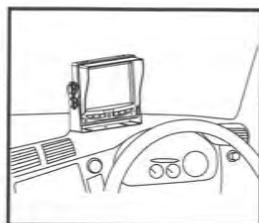
INSTALLATION OF MONITOR



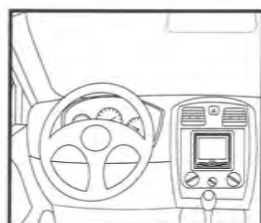
Connection of butterfly (the same as that of mental fan-shaped bracket)



Connection of U-Support bracket



Connection of stand monitor



Connection of embedded monitor
see following picture for monitor size

DISPLAY DIMENSIONS (MM) :

